

CLAIMS

1. An information recording apparatus for recording broadcasting information on a recording medium, the broadcasting information includes one or more contents, types of the contents are different from each other, and is constituted of unit information which has a predetermined amount of information and correlation information which indicates a correlation between the contents,

the apparatus comprising:

a generating device for generating contents group information based on the correlation information, the contents group information including identification information for identifying a relationship between the unit information and the content and type information indicating a type of the content, the contents group information indicating a contents group including the contents, and

a recording device for recording the generated contents group information on the recording medium with the broadcasting information.

2. The information recording apparatus according to claim 1, wherein the broadcasting information is broadcasted by BS digital broadcasting, and

the correlation information is a descriptor broadcasted by BS digital broadcasting.

3. An information reproducing apparatus for reproducing the broadcasting information from the recording medium on which the

contents group information is recorded with the broadcasting information by the information recording apparatus of claim 1 or 2,

the reproducing apparatus comprising:

5 a selecting device which selects a content to be reproduced before the broadcasting information is reproduced, and

a generating device which generates a display signal for displaying contents of the contents group information corresponding to the contents group including the selected content.

10

4. An information recording method for recording broadcasting information on a recording medium, the broadcasting information includes one or more contents, types of the contents are different from each other, and is constituted of unit information which has
15 a predetermined amount of information and correlation information which indicates a correlation between the contents,

the method comprising:

a generating process of generating contents group information based on the correlation information, the contents group information
20 including identification information for identifying a relationship between the unit information and the content and type information indicating a type of the content, the contents group information indicating a contents group including the contents, and

a recording process of recording the generated contents group
25 information on the recording medium with the broadcasting information.

5. The information recording method according to claim 4, wherein the broadcasting information is broadcasted by BS digital broadcasting, and

the correlation information is a descriptor broadcasted by BS
5 digital broadcasting.

6. An information reproducing method for reproducing the broadcasting information from the recording medium on which the contents group information is recorded with the broadcasting
10 information by the information recording method of claim 4 or 5,
the reproducing method comprising:

a selecting process of selecting a content to be reproduced before the broadcasting information is reproduced, and

a generating process of generating a display signal for
15 displaying contents of the contents group information corresponding to the contents group including the selected content.

7. An information recording program for causing a recording computer to function as a generating device and a recording device,
20 the recording computer being included in an information recording apparatus for recording broadcasting information on a recording medium, the broadcasting information includes one or more contents, types of the contents are different from each other, and is constituted of unit information which has a predetermined amount of information
25 and correlation information which indicates a correlation between the contents,

the generating device for generating contents group information based on the correlation information, the contents group information including identification information for identifying a relationship between the unit information and the content and type information indicating a type of the content, the contents group information indicating a contents group including the contents,

the recording device for recording the generated contents group information on the recording medium with the broadcasting information.

10

8. The information recording program according to claim 7, wherein the broadcasting information is broadcasted by BS digital broadcasting, and

the correlation information is a descriptor broadcasted by BS digital broadcasting.

15

9. An information reproducing program for causing a reproducing computer to function as a selecting device and a generating device, the reproducing computer being included in an information reproducing apparatus for reproducing broadcasting information from a recording medium on which contents group information is recorded with the broadcasting information by the information recording apparatus of claim 1 or 2,

20

the selecting device selecting a content to be reproduced before the broadcasting information is reproduced,

25

ART 34 ADD

- 47 -



the generating device generating a display signal for displaying contents of the contents group information corresponding to a contents group including the selected content.

- 5 10. An information recording medium, wherein the information recording program of claim 7 or 8 is recorded so as to be read by a recording computer.
11. An information recording medium, wherein the information
10 reproducing program according to claim 9 is recorded so as to be read by a reproducing computer.